

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

D/90296

Serial NO.

07/561,627

PRIOR ART CITED BY APPLICANT
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Sheet 1 of 1

APPLICANT

Jock Mackinlay et al.

FILING DATE

August 2, 1990

GROUP

2301

U.S. PATENT DOCUMENT

*EX'R INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MS	AA 5 1 0 7 4 4 3	4/21/92	Smith et al.	395	158	RECEIVED
AB						JUL 1 1992
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FOREIGN PATENT DOCUMENTS

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EXAMINER

Mike Smith

DATE CONSIDERED

8-6-92

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LIST OF PRIOR ART CITED BY APPLICANT
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Sheet

4 of 8

APPLICANT

Jock MacKinaly et al.

FILING DATE

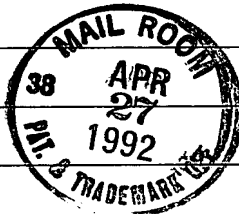
August 2, 1990

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U.S. PATENT DOCUMENT

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<i>ms</i>	AA	5	0	7	2	4	1	2	12/10/91	Henderson Jr. et al.	395	159	
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Jock Mackinlay et al.

FILING DATE
August 2, 1990GROUP
231

Sheet 1 of 1

U.S. PATENT DOCUMENT

*EX- INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MSS	AA 5 0 2 1 9 7 6	6/4/91	Wexelblat et al.	364	521	
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FOREIGN PATENT DOCUMENTS

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1-7/81 PTO 1649
(REV. 8-89)

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
D/90296

SERIAL NO.
07/561,627

INFORMATION DISCLOSURE CITATION
(USE SEVERAL SHEETS IF NECESSARY)

Sheet 1 of 3

APPLICANT
Jock Mackinlay et al.

FILING DATE
August 2, 1990

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231

U.S. PATENT DOCUMENTS									
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
<i>Mike</i>	AR Fairchild, K.M., Poltrock, S.E., and Furnas, G.W., "Semi Net: Three-Dimensional Graphic Representations of Large Knowledge Bases," in Guindon, R., ed., <u>Cognitive Science and its Applications for Human-Computer Interaction</u> , Lawrence Erlbaum, Hillsdale, N.J., 1988, pp. 201-233
<i>Mike</i>	AS Burton, R.R., Sketch: A Drawing Program for Interlisp-D, Xerox Corporation, Palo Alto Research Center. ISL-14, August 1985, pp. 44-49
<i>Mike</i>	AT Robertson, G.G., Card, S.K., and Mackinlay, J.D., "The Cognitive Coprocessor Architecture for Interactive User Interfaces," <u>Proceedings of the ACM SIGGRAPH Symposium on User Interface Software and Technology</u> , Williamsburg, Virginia, November 13-15, 1989, pp. 10-18

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JPL PTO 1449 (REV 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DLT. KEY NO. D/90296	SERIAL NO. 07/561,627
INFORMATION DISCLOSURE CITATION (USE SEVERAL SHEETS IF NECESSARY)				APPLICANT Jock Mackinlay et al.	
Sheet 2 of 8				FILING DATE August 2, 1990	GROUP 231
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)					
<i>Miss</i>	AU	Herot, C. F., Carling, R., Friedell, M., and Kramlich, D., "A Prototype Spatial Data Management System," ACM, 1980; pp. 63-70			
<i>Miss</i>	AV	Badler, N.I., Manoochchri, K. H., Baraff, D., "Multi-Dimensional Input Techniques and Articulated Figure Positioning by Multiple Constraints," <u>Proceedings, 1986 Workshop on Interactive 3D Graphics</u> , ACM, October 23-24, 1986, pp. 151-169			
<i>Miss</i>	AW	Brooks Jr., F. P., "Walkthrough -- A Dynamic Graphics System for Simulating Virtual Buildings," <u>Proceedings, 1986 Workshop on Interactive 3D Graphics</u> , ACM, October 23-24, 1986, pp. 9-21			
<i>Miss</i>	AX	Ware, C., Osborne, S., "Exploration and Virtual Camera Control in Virtual Three Dimensional Environments," <u>Proceedings, 1990 Symposium on Interactive 3D Graphics Computer Graphics 24, #4</u> , March 1970, pp. 175-183			
<i>Miss</i>	AY	Bier, E. A., <u>Snap-Dragging: Interactive Geometric Design in Two and Three Dimensions</u> , Xerox Corporation, EDL-89-2, September 1989, p. 117.			
<i>Miss</i>	AZ	Haeberli, P.E., "ConMan: A Visual Programming Language for Interactive Graphics," <u>Computer Graphics</u> , Vol. 22, No. 4, August 1988, pp. 103-111			
<i>Miss</i>	BA	Dalton, R., "Beyond Bifocals: Help for Tired Eyes," <u>Lotus</u> , Vol. 4, No. 10, October 1988, pp. 17-18.			
<i>Miss</i>	BB	InLarge brochure, Berkeley Systems, Inc., Berkeley, California, 1984			
<i>Miss</i>	BC	"MAG (6D)," <u>IRIS-4D Series Man Pages, IRIX User's Reference Manual</u> , Section 6, Release 3.3, Silicon Graphics, Inc., Mountain View, California, April 1990 p. 1.			
<i>Miss</i>	BD	"window," <u>Graphics Library Programming Guide, IRIS-4D Series, Document Version 2.0</u> , Coordinate Transformations, Document No. 007-1210-020, Silicon Graphics, Inc., Mountain View, California, May 1990, pp. 7-8 and 7-9.			
<i>Miss</i>	BE	Woods, D. D., "Visual momentum: a concept to improve the cognitive coupling of person and computer," <u>Int. J. Man-Machine Studies</u> 21, 1984, pp. 229-244			
<i>Miss</i>	BF	Hochberg, J., Brooks, V., "Film Cutting and Visual Momentum," in Senders, J.W., Fisher, D.F. and Monty, R.A., Eds. <u>Eye Movements and the Higher Psychological Functions</u> , Hillsdale, NJ: Lawrence Erlbaum Associates; 1978; pp. 293-313			
<i>Miss</i>	BG	Glassner, A.S., <u>3D Computer Graphics</u> , Second Edition, 1989, New York: Design Press, Chapter 14, pp. 177-194.			
EXAMINER Mike Smith				DATE CONSIDERED 8-6-92	
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J. 412 PTD 1449 (REV. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATT. DES. & ET. NO. D/90296	SERIAL NO. 07/561,627
INFORMATION DISCLOSURE CITATION (USE SEVERAL SHEETS IF NECESSARY)				APPLICANT Jock Mackinlay et al.	
Sheet 3 of 3				FILING DATE August 2, 1990	GROUP 231
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
ms	AU	Foley, J.D., van Dam, A., Feiner, S.K., Hughes, J.F., <u>Computer Graphics</u> , Second Edition, 1990, Reading, Mass.: Addison-Wesley, Chapter 21, pp. 1057-1081.			
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